

## ABSTRACT

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A penetrating antibiotic gel for treating pain, inflammation and other pathological conditions affecting musculoskeletal tissues and other soft tissues of the body. The composition includes an antibiotic compound and a mobilizing agent in an amount sufficient to enable the antimicrobial compound to penetrate into the sub-dermal soft tissues. The antimicrobial compound may be a macrolide antibiotic compound such as azithromycin, erythromycin or roxithromycin, for example, and the mobilizing agent may be an organogel compound, such as pluronic lecithin liposomal organogel (PLO). The composition may further include a penetration enhancing adjuvant, such as d-limonene, for example. The composition may be applied topically so as to penetrate into the sub-dermal soft tissues, or may injected so as to be absorbed into the soft tissues locally.